Technical Data Sheet

ALTECH PC A 1000/202 UV

(Last update: 15.07.2024)

Base Polymer	Polycarbonate
Filler/Additive System	light stabiliser
Special Features	good flow,processing stabilised,UV stabilised,injection moulding grade
Market Segment	building and construction
Application Area	interior
Typical Applications	housings,functional components

Pre-Drying Conditions	120 °C in a dry air (dessiccant) dryer for 2-3 h 120 °C in an air circulating dryer for 4-12 h dependant on moisture content max. moisture content <0,02 %
Processing Injection Moulding	melt temperature 270-310 °C mould temperature 80-110 °C
Storage	dry, protected from light

Properties	Value	Dimension	Test Norm
Mechanical Properties			
Tensile Modulus	2200	MPa	ISO 527
Tensile Stress at Yield	62	MPa	ISO 527
Tensile Elongation at Yield	5.8	%	ISO 527
Tensile Elongation at Break	50	%	ISO 527
Impact Strength (Charpy, 23°C)	no break	kJ/m²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	no break	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	10	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	9	kJ/m²	ISO 179/1eA
Thermal Properties			
Vicat B50	140	°C	ISO 306
HDT / A (1,8 MPa)	126	°C	ISO 75-1/-2
Rheological Properties			
Melt Index (MVR)	30	cm³/10min	ISO 1133
MVR temperature	300	°C	-
MVR load	1.2	kg	-
Shrinkage (24h)	0.5 - 0.8	%	ISO 294-4
Physical Properties			
Density	1190	kg/m³	ISO 1183

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